



## SEQUENCE LISTING

<110> MILBRANDT, Jeffrey D.  
BALOH, Robert H.

<120> GFR-alpha-1-RET Specific Agonists and Methods Therefor

<130> 6029-9879

<140>

<141>

<160> 32

<170> PatentIn Ver. 2.0

<210> 1

<211> 89

<212> PRT

<213> Homo sapiens

<400> 1

Cys Gln Leu Trp Ser Leu Thr Leu Ser Val Ala Glu Leu Gly Leu Gly  
1 5 10 15

Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
20 25 30

Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala Leu Ala Arg Leu Gln  
35 40 45

Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys Arg Pro Thr Arg Tyr  
50 55 60

Thr Asp Val Ala Phe Leu Asp Asp Arg His Arg Trp Gln Arg Leu Pro  
65 70 75 80

Gln Leu Ser Ala Ala Ala Cys Gly Cys  
85

<210> 2

<211> 89

<212> PRT

<213> Mouse

<400> 2

Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu Gly Leu Gly  
1 5 10 15

Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
20 25 30

Pro Gln Glu Ala Arg Thr Gln His Ser Leu Val Leu Ala Arg Leu Arg  
35 40 45

Gly Arg Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro Thr Ser Tyr  
50 55 60

Ala Asp Val Thr Phe Leu Asp Asp Gln His His Trp Gln Gln Leu Pro  
65 70 75 80

Gln Leu Ser Ala Ala Ala Cys Gly Cys  
85

<210> 3  
<211> 89  
<212> PRT  
<213> RAT

<400> 3  
Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu Gly Leu Gly  
1 5 10 15  
Tyr Ala Ser Glu Glu Lys Ile Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
20 25 30  
Pro Gln Glu Val Arg Thr Gln His Ser Leu Val Leu Ala Arg Leu Arg  
35 40 45  
Gly Gln Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro Thr Ser Tyr  
50 55 60  
Ala Asp Val Thr Phe Leu Asp Asp His His His Trp Gln Gln Leu Pro  
65 70 75 80  
Gln Leu Ser Ala Ala Ala Cys Gly Cys  
85

<210> 4  
<211> 93  
<212> PRT  
<213> Homo sapiens

<400> 4  
Cys Val Leu Thr Ala Ile His Leu Asn Val Thr Asp Leu Gly Leu Gly  
1 5 10 15  
Tyr Glu Thr Lys Glu Glu Leu Ile Phe Arg Tyr Cys Ser Gly Ser Cys  
20 25 30  
Asp Ala Ala Glu Thr Thr Tyr Asp Lys Ile Leu Lys Asn Leu Ser Arg  
35 40 45  
Asn Arg Arg Leu Val Ser Asp Lys Val Gly Gln Ala Cys Cys Arg Pro  
50 55 60  
Ile Ala Phe Asp Asp Asp Leu Ser Phe Leu Asp Asp Asn Leu Val Tyr  
65 70 75 80  
His Ile Leu Arg Lys His Ser Ala Lys Arg Cys Gly Cys  
85 90

<210> 5  
<211> 93  
<212> PRT  
<213> Mouse

<400> 5

Cys Val Leu Thr Ala Ile His Leu Asn Val Thr Asp Leu Gly Leu Gly  
 1 5 10 15  
 Tyr Glu Thr Lys Glu Glu Leu Ile Phe Arg Tyr Cys Ser Gly Ser Cys  
 20 25 30  
 Glu Ser Ala Glu Thr Met Tyr Asp Lys Ile Leu Lys Asn Leu Ser Arg  
 35 40 45  
 Ser Arg Arg Leu Thr Ser Asp Lys Val Gly Gln Ala Cys Cys Arg Pro  
 50 55 60  
 Val Ala Phe Asp Asp Asp Leu Ser Phe Leu Asp Asp Asn Leu Val Tyr  
 65 70 75 80  
 His Ile Leu Arg Lys His Ser Ala Lys Arg Cys Gly Cys  
 85 90

<210> 6  
 <211> 93  
 <212> PRT  
 <213> RAT

<400> 6  
 Cys Val Leu Thr Ala Ile His Leu Asn Val Thr Asp Leu Gly Leu Gly  
 1 5 10 15  
 Tyr Glu Thr Lys Glu Glu Leu Ile Phe Arg Tyr Cys Ser Gly Ser Cys  
 20 25 30  
 Glu Ala Ala Glu Thr Met Tyr Asp Lys Ile Leu Lys Asn Leu Ser Arg  
 35 40 45  
 Ser Arg Arg Leu Thr Ser Asp Lys Val Gly Gln Ala Cys Cys Arg Pro  
 50 55 60  
 Val Ala Phe Asp Asp Asp Leu Ser Phe Leu Asp Asp Ser Leu Val Tyr  
 65 70 75 80  
 His Ile Leu Arg Lys His Ser Ala Lys Arg Cys Gly Cys  
 85 90

<210> 7  
 <211> 94  
 <212> PRT  
 <213> Homo sapiens

<400> 7  
 Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser Glu Leu Gly Leu Gly  
 1 5 10 15  
 Tyr Ala Ser Asp Glu Thr Val Leu Phe Arg Tyr Cys Ala Gly Ala Cys  
 20 25 30  
 Glu Ala Ala Ala Arg Val Tyr Asp Leu Gly Leu Arg Arg Leu Arg Gln  
 35 40 45  
 Arg Arg Arg Leu Arg Arg Glu Arg Val Arg Ala Gln Pro Cys Cys Arg  
 50 55 60

Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu Asp Ala His Ser Arg  
65 70 75 80

Tyr His Thr Val His Glu Leu Ser Ala Arg Glu Cys Ala Cys  
85 90

<210> 8  
<211> 94  
<212> PRT  
<213> Mouse

<400> 8  
Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser Glu Leu Gly Leu Gly  
1 5 10 15

Tyr Thr Ser Asp Glu Thr Val Leu Phe Arg Tyr Cys Ala Gly Ala Cys  
20 25 30

Glu Ala Ala Ile Arg Ile Tyr Asp Leu Gly Leu Arg Arg Leu Arg Gln  
35 40 45

Arg Arg Arg Val Arg Arg Glu Arg Ala Arg Ala His Pro Cys Cys Arg  
50 55 60

Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu Asp Val His Ser Arg  
65 70 75 80

Tyr His Thr Leu Gln Glu Leu Ser Ala Arg Glu Cys Ala Cys  
85 90

<210> 9  
<211> 96  
<212> PRT  
<213> Homo sapiens

<400> 9  
Cys Arg Leu Arg Ser Gln Leu Val Pro Val Arg Ala Leu Gly Leu Gly  
1 5 10 15

His Arg Ser Asp Glu Leu Val Arg Phe Arg Phe Cys Ser Gly Ser Cys  
20 25 30

Arg Arg Ala Arg Ser Pro His Asp Leu Ser Leu Ala Ser Leu Leu Gly  
35 40 45

Ala Gly Ala Leu Arg Pro Pro Pro Gly Ser Arg Pro Val Ser Gln Pro  
50 55 60

Cys Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn  
65 70 75 80

Ser Thr Trp Arg Thr Val Asp Arg Leu Ser Ala Thr Ala Cys Gly Cys  
85 90 95

<210> 10  
 <211> 96  
 <212> PRT  
 <213> Mouse

<400> 10  
 Cys Arg Leu Arg Ser Gln Leu Val Pro Val Ser Ala Leu Gly Leu Gly  
   1                  5                  10                  15  
 His Ser Ser Asp Glu Leu Ile Arg Phe Arg Phe Cys Ser Gly Ser Cys  
           20                  25                  30  
 Arg Arg Ala Arg Ser Gln His Asp Leu Ser Leu Ala Ser Leu Leu Gly  
           35                  40                  45  
 Ala Gly Ala Leu Arg Ser Pro Pro Gly Ser Arg Pro Ile Ser Gln Pro  
   50                  55                  60  
 Cys Cys Arg Pro Thr Arg Tyr Glu Ala Val Ser Phe Met Asp Val Asn  
   65                  70                  75                  80  
 Ser Thr Trp Arg Thr Val Asp His Leu Ser Ala Thr Ala Cys Gly Cys  
           85                  90                  95

<210> 11  
 <211> 109  
 <212> PRT  
 <213> MURINE

<400> 11  
 Ala Leu Ala His His His His His His Asp Tyr Lys Asp Asp Asp Asp  
   1                  5                  10                  15  
 Lys Gly Ser Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu  
           20                  25                  30  
 Gly Leu Gly Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala  
           35                  40                  45  
 Gly Ser Cys Pro Gln Glu Ala Arg Thr Gln His Ser Leu Val Leu Ala  
   50                  55                  60  
 Arg Leu Arg Gly Arg Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro  
   65                  70                  75                  80  
 Thr Ala Phe Asp Asp Asp Val Thr Phe Leu Asp Asp Gln His His Tyr  
           85                  90                  95  
 His Ile Leu Arg Lys His Ser Ala Ala Ala Cys Gly Cys  
           100                  105

<210> 12  
 <211> 90  
 <212> PRT  
 <213> MURINE

&lt;400&gt; 12

Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu Gly Leu Gly  
 1 5 10 15  
 Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
 20 25 30  
 Pro Gln Glu Ala Arg Thr Gln His Ser Leu Val Leu Ala Arg Leu Arg  
 35 40 45  
 Gly Arg Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro Thr Ala Phe  
 50 55 60  
 Asp Asp Asp Val Thr Phe Leu Asp Asp Gln His His Tyr His Ile Leu  
 65 70 75 80  
 Arg Lys His Ser Ala Ala Ala Cys Gly Cys  
 85 90

&lt;210&gt; 13

&lt;211&gt; 109

&lt;212&gt; PRT

&lt;213&gt; Mouse

&lt;400&gt; 13

Ala Leu Ala His His His His His His Asp Tyr Lys Asp Asp Asp Asp  
 1 5 10 15  
 Lys Gly Ser Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu  
 20 25 30  
 Gly Leu Gly Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala  
 35 40 45  
 Gly Ser Cys Pro Gln Glu Ala Arg Thr Gln His Ser Leu Val Leu Ala  
 50 55 60  
 Arg Leu Arg Gly Arg Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro  
 65 70 75 80  
 Thr Ala Tyr Glu Asp Glu Val Thr Phe Leu Asp Asp Gln His His Tyr  
 85 90 95  
 His Thr Leu Gln Glu Leu Ser Ala Ala Ala Cys Gly Cys  
 100 105

&lt;210&gt; 14

&lt;211&gt; 90

&lt;212&gt; PRT

&lt;213&gt; Mouse

&lt;400&gt; 14

Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu Gly Leu Gly  
 1 5 10 15  
 Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
 20 25 30  
 Pro Gln Glu Ala Arg Thr Gln His Ser Leu Val Leu Ala Arg Leu Arg

35	40	45
Gly Arg Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro Thr Ala Tyr		
50	55	60
Glu Asp Glu Val Thr Phe Leu Asp Asp Gln His His Tyr His Thr Leu		
65	70	75
Gln Glu Leu Ser Ala Ala Ala Cys Gly Cys		
	85	90

<210> 15  
 <211> 108  
 <212> PRT  
 <213> Mouse

<400> 15
Ala Leu Ala His His His His His His Asp Tyr Lys Asp Asp Asp Asp
1 5 10 15
Lys Gly Ser Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu
20 25 30
Gly Leu Gly Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala
35 40 45
Gly Ser Cys Pro Gln Glu Ala Arg Thr Gln His Ser Leu Val Leu Ala
50 55 60
Arg Leu Arg Gly Arg Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro
65 70 75 80
Thr Arg Tyr Glu Ala Val Thr Phe Leu Asp Asp Gln His His Trp Arg
85 90 95
Thr Val Asp His Leu Ser Ala Ala Ala Cys Gly Cys
100 105

<210> 16  
 <211> 89  
 <212> PRT  
 <213> Mouse

<400> 16
Cys Arg Leu Trp Ser Leu Thr Leu Pro Val Ala Glu Leu Gly Leu Gly
1 5 10 15
Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys
20 25 30
Pro Gln Glu Ala Arg Thr Gln His Ser Leu Val Leu Ala Arg Leu Arg
35 40 45
Gly Arg Gly Arg Ala His Gly Arg Pro Cys Cys Gln Pro Thr Arg Tyr
50 55 60
Glu Ala Val Thr Phe Leu Asp Asp Gln His His Trp Arg Thr Val Asp
65 70 75 80

His Leu Ser Ala Ala Ala Cys Gly Cys  
85

<210> 17  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 17  
Ala Phe Asp Asp Asp  
1 5

<210> 18  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 18  
Ala Tyr Glu Asp Glu  
1 5

<210> 19  
<211> 4  
<212> PRT  
<213> Homo sapiens

<400> 19  
Arg Tyr Glu Ala  
1

<210> 20  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 20  
Tyr His Ile Leu Arg Lys His  
1 5

<210> 21  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 21  
Tyr His Thr Val His Glu Leu  
1 5

<210> 22  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 22  
Trp Arg Thr Val Asp Arg Leu



1

5

&lt;210&gt; 23

&lt;211&gt; 90

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 23

Cys Gln Leu Trp Ser Leu Thr Leu Ser Val Ala Glu Leu Gly Leu Gly  
 1 5 10 15

Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
 20 25 30

Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala Leu Ala Arg Leu Gln  
 35 40 45

Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys Arg Pro Thr Ala Phe  
 50 55 60

Asp Asp Asp Val Ala Phe Leu Asp Asp Arg His Arg Tyr His Ile Leu  
 65 70 75 80

Arg Lys His Ser Ala Ala Ala Cys Gly Cys  
 85 90

&lt;210&gt; 24

&lt;211&gt; 90

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 24

Cys Gln Leu Trp Ser Leu Thr Leu Ser Val Ala Glu Leu Gly Leu Gly  
 1 5 10 15

Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
 20 25 30

Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala Leu Ala Arg Leu Gln  
 35 40 45

Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys Arg Pro Thr Ala Tyr  
 50 55 60

Glu Asp Glu Val Ala Phe Leu Asp Asp Arg His Arg Tyr His Thr Val  
 65 70 75 80

His Glu Leu Ser Ala Ala Ala Cys Gly Cys  
 85 90

&lt;210&gt; 25

&lt;211&gt; 89

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

Cys Gln Leu Trp Ser Leu Thr Leu Ser Val Ala Glu Leu Gly Leu Gly  
 1 5 10 15

Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr Cys Ala Gly Ser Cys  
                   20                                  25                                  30  
 Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala Leu Ala Arg Leu Gln  
                   35                                  40                                  45  
 Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys Arg Pro Thr Arg Tyr  
                   50                                  55                                  60  
 Glu Ala Val Ala Phe Leu Asp Asp Arg His Arg Trp Arg Thr Val Asp  
                   65                                  70                                  75                                  80  
 Arg Leu Ser Ala Ala Ala Cys Gly Cys  
   85

<210> 26  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 26  
 Ala Leu Ser Gly Pro Cys Gln Leu Trp Ser Leu Thr Leu Ser Val Ala  
   1                                  5                                  10                                  15  
 Glu Leu Gly Leu Gly Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr  
                   20                                  25                                  30  
 Cys Ala Gly Ser Cys Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala  
                   35                                  40                                  45  
 Leu Ala Arg Leu Gln Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys  
                   50                                  55                                  60  
 Arg Pro Thr Ala Phe Asp Asp Asp Val Ala Phe Leu Asp Asp Arg His  
                   65                                  70                                  75                                  80  
 Arg Tyr His Ile Leu Arg Lys His Ser Ala Ala Ala Cys Gly Cys Gly  
                                   85                                  90                                  95  
 Gly

<210> 27  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 27  
 Ala Leu Ser Gly Pro Cys Gln Leu Trp Ser Leu Thr Leu Ser Val Ala  
   1                                  5                                  10                                  15  
 Glu Leu Gly Leu Gly Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr  
                   20                                  25                                  30  
 Cys Ala Gly Ser Cys Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala  
                   35                                  40                                  45  
 Leu Ala Arg Leu Gln Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys

50                      55                      60

Arg Pro Thr Ala Tyr Glu Asp Glu Val Ala Phe Leu Asp Asp Arg His  
 65                      70                      75                      80

Arg Tyr His Thr Val His Glu Leu Ser Ala Ala Ala Cys Gly Cys Gly  
                     85                      90                      95

Gly

<210> 28  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 28

Ala Leu Ser Gly Pro Cys Gln Leu Trp Ser Leu Thr Leu Ser Val Ala  
 1                      5                      10                      15

Glu Leu Gly Leu Gly Tyr Ala Ser Glu Glu Lys Val Ile Phe Arg Tyr  
                     20                      25                      30

Cys Ala Gly Ser Cys Pro Arg Gly Ala Arg Thr Gln His Gly Leu Ala  
                     35                      40                      45

Leu Ala Arg Leu Gln Gly Gln Gly Arg Ala His Gly Gly Pro Cys Cys  
                     50                      55                      60

Arg Pro Thr Arg Tyr Glu Ala Val Ala Phe Leu Asp Asp Arg His Arg  
 65                      70                      75                      80

Trp Arg Thr Val Asp Arg Leu Ser Ala Ala Ala Cys Gly Cys Gly Gly  
                     85                      90                      95

<210> 29  
 <211> 151  
 <212> PRT  
 <213> Homo sapiens

<400> 29

Arg Leu Lys Arg Ser Pro Asp His His His His His His Asp Tyr Lys  
                     5                      10                      15

Asp Asp Asp Asp Lys Gln Ala Ala Ala Leu Pro Arg Arg Glu Arg Asn  
                     20                      25                      30

Arg Gln Ala Ala Ala Ala Ser Pro Glu Asn Ser Arg Gly Lys Gly Arg  
                     35                      40                      45

Arg Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His  
                     50                      55                      60

Leu Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu  
 65                      70                      75                      80

Ile Phe Arg Tyr Cys Ser Gly Ser Cys Glu Ala Ala Glu Thr Met Tyr  
                     85                      90                      95

Asp Lys Ile Leu Lys Asn Leu Ser Arg Ser Arg Arg Leu Thr Ser Asp  
 100 105 110

Lys Glu Gly Gln Ala Cys Cys Arg Pro Val Ala Phe Asp Asp Asp Leu  
 115 120 125

Ser Phe Leu Asp Asp Ser Leu Val Tyr His Ile Leu Arg Lys His Ser  
 130 135 140

Ala Lys Arg Cys Gly Cys Ile  
 145 150

<210> 30  
 <211> 114  
 <212> PRT  
 <213> Homo sapiens

<400> 30  
 Arg Leu Pro Arg Ala Leu Ala His His His His His His Asp Tyr Lys  
 5 10 15

Asp Asp Asp Asp Lys Gly Ser Cys Arg Leu Trp Ser Leu Thr Leu Pro  
 20 25 30

Val Ala Glu Leu Gly Leu Gly Tyr Ala Ser Glu Glu Lys Val Ile Phe  
 35 40 45

Arg Tyr Cys Ala Gly Ser Cys Pro Gln Glu Ala Arg Thr Gln His Ser  
 50 55 60

Leu Val Leu Ala Arg Leu Arg Gly Arg Gly Arg Ala His Gly Arg Pro  
 65 70 75 80

Cys Cys Gln Pro Thr Ser Tyr Ala Asp Val Thr Phe Leu Asp Asp Gln  
 85 90 95

His His Trp Gln Gln Leu Pro Gln Leu Ser Ala Ala Ala Cys Gly Cys  
 100 105 110

Gly Gly

<210> 31  
 <211> 118  
 <212> PRT  
 <213> Homo sapiens

<400> 31  
 Arg Ala Arg Arg Pro Gly Ala His His His His His His Asp Tyr Lys  
 5 10 15

Asp Asp Asp Asp Lys Arg Gly Cys Val Leu Thr Ala Ile His Leu Asn  
 20 25 30

Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile Phe  
 35 40 45

Arg Tyr Cys Ser Gly Ser Cys Glu Ala Ala Glu Thr Met Tyr Asp Lys  
 50 55 60

Ile Leu Lys Asn Leu Ser Arg Ser Arg Arg Leu Thr Ser Asp Lys Val  
 65 70 75 80

Gly Gln Ala Cys Cys Arg Pro Val Ala Phe Asp Asp Asp Asp Leu Ser  
 85 90 95

Phe Leu Asp Asp Ser Leu Val Tyr His Ile Leu Arg Lys His Ser Ala  
 100 105 110

Lys Arg Cys Gly Cys Ile  
 115

<210> 32

<211> 25

<212> PRT

<213> Homo sapiens

<400> 32

Arg Arg Ala Arg Pro Gly Ala His His His His His His Asp Tyr Lys  
 5 10 15

Asp Asp Asp Asp Lys Arg Gly Cys Arg  
 20 25